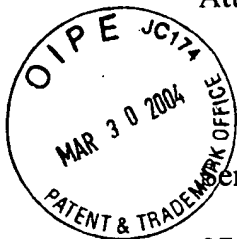


Attorney Docket No.: BEAU 4 US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1646

371 (c) Date: October 07, 2002

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup/F.Krass
handling related case

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN

CERTIFICATE OF HAND DELIVERY

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Non-Fee Amendment (IDS)
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

I hereby certify that the following documents:

1. Supplemental Information Disclosure Statement Cover Letter dated March 25, 2004 -- Two (2) pages;
2. Form PTO-1449 (modified) -- Seven (7) pages; and
3. References Nos. 39-106.

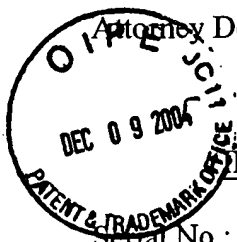
are being hand-filed with the United States Patent and Trademark Office at the

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Arlington, Virginia 22202 on March 30, 2004

Sam Zaghmout

O. M. (Sam) Zaghmout (Reg. No. 51286)
8509 Kernon Ct
Lorton VA US 22079
703-550-1968



Attorney Docket No.: BEAU 4 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1646

371 (c) Date: October 07, 2002

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup/F.Krass
handling related case

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Non-Fee Amendment (IDS)
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

The PTO did not receive the following
listed items(s) ForS and NPLs

Pursuant to 37 CFR § 1.56, Applicants request that the references cited in the accompanying Form PTO-1449 containing references 39-106 to be considered by the Examiner in the above-identified application and made of record therein. Copies of the cited references are enclosed.

The references submitted in this Supplemental Information Disclosure Statement were listed in the bibliographies of Provisional Application Serial Numbers 60/149,958, filed August 20, 1999 and Provisional Application Serial Number 60/182,412, filed February 14, 2000. If a reference in the bibliographies was previously cited in this case, the reference was not duplicated in the accompanying Form PTO-1449.

Attorney Docket No.: BEAU 4 US


If the Examiner needs additional information or would like to receive the enclosed information in a different format, the Examiner is requested to call or e-mail the undersigned.

The Information Disclosure Statement submitted herewith is being filed before the mailing of a first Office Action on the merits.

The Commissioner is hereby authorized to charge any additional fees, or to credit any overpayment, to Deposit Account No. 15-0699. A duplicate copy of this sheet is attached.

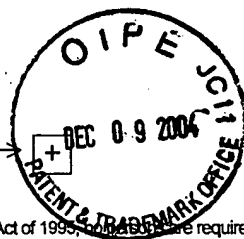
Respectfully submitted,

Date: March 25, 2004



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1A of 7-A

Complete if Known

Application Number	10/049,002
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	39	SMAGLIK, P. "Promise and Problems Loom for Stem Cell Gene Therapy," The Scientist (1999), page 14, vol.13, no.15 and larger print version from The Scientist website	
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	49	RUOSLAHTI, E. et al., "Fibronectin Purification, Immunochemical Properties, and Biological Activities," Methods in Enzymology, 1982, pages 803-831, vol. 82	

Examiner
Signature

Date
Considered

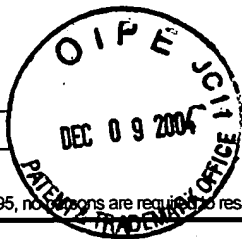
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2A of 7-A

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Application Number	10/049,992
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	50	HARAHAP, M., "Differential Diagnosis of Leg Ulcers," Clinics in Dermatology, 1990, pages 1-3, Vol. 8, No. 3/4	
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	56	MULDER, G.D., "Clinical Protocols for Studying Wound Healing," Clinical Materials, 1991, pages 251-255, Vol. 8	

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Sheet 3A of 7-A

Complete if Known

Application Number	10/049,992
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	57	SINGER, A. J. et al., "Cutaneous Wound Healing," New England Journal of Medicine, 1999, pages 738-746, Vol. 341, No. 10	
	58	CLARK, R. A. F., "Potential Roles of Fibronectin in Cutaneous Wound Repair," Arch. Dermatol., 1988, pages 201-206, Vol. 124	
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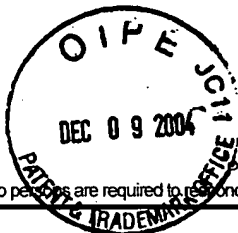
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Application Number	10/049,992
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

Sheet 4A of 7-A

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	68	CZOP, J. K., "Phagocytosis of Particulate Activators of the Alternative Complement Pathway: Effects of Fibronectin," Advances in Immunology, 1986, pages 361-398, Vol. 38	
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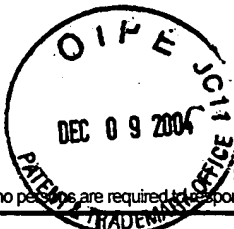
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5A of 7-A

Complete if Known

Application Number	10/049,992
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	79	HORSBURGH, C. R. et al., "Lymphokines and Platelets Promote Human Monocyte Adherence to Fibrinogen and Fibronectin in Vitro," Journal of Leukocyte Biology, 1987, pages 14-24, Vol. 41	
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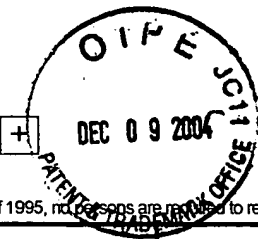
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 6A of 7-A

Complete if Known

Application Number	10/049,992
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	90	CHENG, C.Y. et al., "Fibronectin Enhances Healing of Excised Wounds in Rats," Arch. Dermatol., 1988, pages 221-225, Vol. 124	
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	93	WHITE, H., "A Heteroskedasticity-Consistent Covariance Matrix Estimator and a Direct Test for Heteroskedasticity," Econometrica, 1980, pages 817-838 Vol. 48, Issue 4	
	94	COLLETT, D., "Model Checking in the Proportional Hazards Model," Chapter 5 in Modelling Survival Data in Medical Research, 1994, 1 st edition, Chapman & Hall, London; New York	
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	96	SCHEMPER, M., "Cox Analysis of Survival Data with Non-Proportional Hazard Functions," Statistician, 1992, pages 455-465, Vol. 41, Issue 4	
	97	GREENLAND, S., "Modeling and Variable Selection in Epidemiologic Analysis," American Journal of Public Health, 1989, pages 340-349, Vol. 79, No. 3	
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	99	FALANGA, V., "Care of Venous Leg Ulcers," Ostomy/Wound Management, 1999, pages 33S-43S, Vol 45 (Suppl. 1A)	
	100	MARGOLIS, D. et al., "Risk Factors Associated with the Failure of a Venous Leg Ulcer to Heal," Arch. Dermatol., 1999, pages 920-926, vol. 135	

Examiner Signature	Date Considered
--------------------	-----------------

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7A of 7-A

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Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	101	MARSTON, W. A. et al., "Healing Rates and Cost Efficacy of Outpatient Compression Treatment for Leg Ulcers Associated with Venous Insufficiency," J. Vasc. Surgery, 1999, pages 491-98, Vol. 30, No. 3	
	102	OLIN, J. W. et al., "Medical Costs of Treating Venous Stasis Ulcers; Evidence from a Retrospective Cohort Study," Vascular Medicine, 1999, pages 1-7, Vol. 4	
	103	PHAN, T.-M. M. et al., "Topical Fibronectin in the Treatment of Persistent Corneal Epithelial Defects and Trophic Ulcers," American Journal of Ophthalmology, 1987, pages 494-501, Vol. 104	
	104	FLEISS, J., Statistical Methods for Rates and Proportions, 1981, pages 38-42, John Wiley and Sons, New York	
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	106	HOSMER, D. et al., Applied Logistic Regression, 1989, pages 149-170, John Wiley and Sons, New York	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Rec'd PCT/PTO 02 JUN 2003

PATENT
Attorney Docket Number: BEAU 4 US

CERTIFICATE OF HAND DELIVERY

I hereby certify that this correspondence is being hand filed with the United States Patent and Trademark Office in Washington, DC. 20231.

on June 02, 2003
(Date)

Typed or printed name of person signing this certificate

Dr. O.M. (Sam) Zaghmout
Signature O.M. Zaghmout

Attachments: List of the documents which are hand delivered to the USPTO are shown below:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Beaulieu, A. et al.

Application Serial Number: 10/049,992.

Title: SOLID WOUND HEALING FORMULATIONS CONTAINING FIBRONECTIN.

Filing Date: August 21, 2000

Art Unit: 1614

Examiner: C. T. Ostrup

Mail Stop: Non-Fee Amendment (IDS)

Honorable Commissioner of Patents
P.O. BOX 1450
Alexandria, VA 22213-1450

Dear Sir:

Please find enclosed the following documents (Total: 10 items. Total number of pages: 31). These documents were hand-delivered to the PCT office (8 th floor, Reception Office).

1. Information Disclosure Statement cover letter. Date of the letter is May 13, 2003. (Three pages). Two copies (total: six pages)
2. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Four pages.
3. Form PTO-1449 (modified)-Two pages.
4. Form PTO-A820-One page.
5. PTO-892 (Notice of the references cited)-One page.
6. Form PTO-1449 (Modified)-Two pages.
7. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Ten pages.
8. PTO-A820. One page.
9. PTO-892- Two pages.
10. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Four pages.

 **COPY** c'd PCT/PTO 02 JUN 2003
PATENT



Attorney Docket No.: BEAU 4 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1614

Based on International Application No. PCT/CA00/00953

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup

International Application Filing Date: August 21, 2000

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT

Mail Stop Non-Fee Amendment (IDS)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with to 37 CFR § 1.56, applicants identify the following related
U.S. patent applications, which are relied on upon by this application for an earlier filing
date under 35 USC § 120:

Attorney Docket No.: BEAU 4 US

Case No.	Docket Number	Application Number	Filing Date (mm-dd-yy)	Priority Date (mm-dd-yy)	Priority Application	Status of Case
1	Beau 1	08/488,253	06-07-95	06-07-95	-----	ISSUED 06-24-97 - U.S. Patent 5,641,483
2	Beau 2	08/767,868	12-17-96	06-07-95	Case 1	ISSUED 10-13-98 - U.S. Patent 5,821,220
3	Beau 2 USA	09/331,344	06-16-99	06-07-95 12-17-96	Case 1 Case 2	ISSUED 03-04-03 U.S. Patent 6,528,483 B2
4	Beau 3	08/879,159	06-19-97	06-07-95	Case 1	ISSUED 03-02-99 - U.S.P. 5,877,149
5	Beau 3 DIV	09/245,785	02-05-99	06-06-95	Case 1	ISSUED 06-26-2001 - U.S.P. 6,251,859
6	Beau 3 2 ND DIV	09/862,971	05-22-01	06-06-95	Case 1	ABANDONED
7	Beau 3 3 rd DIV USA	10/108,206	03-26-02	06/07/95 06/19/97 02/05/99 05/22/01	Case 1 Case 4 Case 5 Case 6	To be abandoned
8	Beau 5	10/145,678	05-15-02	05-15-01	Note ¹	PENDING

All references listed on the annexed PTO-1449, PTO-892 and PTO-A820 forms are of record in the above-identified cases and are not enclosed with this document, in accordance with 37 C.F.R. 1.98 (d).

If the Examiner needs additional information or would like to receive the enclosed information in a different format, he is requested to call or e-mail the undersigned.

The Information Disclosure Statement submitted herewith is being filed before the mailing of a first Office Action on the merits.

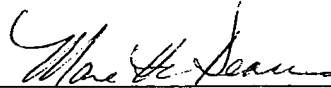
¹ Beau 5 also claims the priority of the earlier filed U.S. cases, including the present application.

Attorney Docket No.: BEAU 4 US

The Commissioner is hereby authorized to charge any additional fees, or to credit any overpayment, to Deposit Account No. 15-0699. A duplicate copy of this document is attached for fee processing.

Respectfully submitted,

Date: May 13, 2003



Manette Dennis (Reg. No. 30,623)
Ostrager Chong & Flaherty LLP
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mdennis@ocflaw.com

Form PTO-1449
(Modified)

Attorney Docket: Beau 2 US

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Beaulieu et al.

Serial No.: 09/331,344

Filed: August 21, 1999

Title: Wound Healing Formulations Containing Human Plasma
Fibronectin

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATIONS

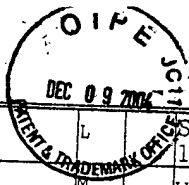
EXAM- INER INITIAL	DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANS- LATION
						YES NO
A	EP 0 312 208	4/19/89	European Patent Office	A61K	37/02	
B	EP 0 592 380 A1	4/13/94	European Patent Office	A61K	37/02	
C	WO 89/05653	6/29/89	World Intellectual Property Organization	A61K	37/02	
D	WO 90/13653	11/15/90	World Intellectual Property Organization	C12N	15/62	
E	WO 91/15233	10/17/91	World Intellectual Property Organization	A61K	37/48	
F	WO 93/08825	5/13/93	World Intellectual Property Organization	A61K	37/02	

OTHER DOCUMENTS

(Including Author, Title, Date, Relevant Pages, Place of Publication)

G	Devlin, TM. Textbook of Biochemistry: with Clinical Correlations. Wiley: New York, 1997. pp 5-7, 9, 34-37
H	Harper, HA. Harper's Biochemistry. Appleton & Lange: Norwalk, Connecticut, 1988.
I	Hynes, RO. Fibronectins. Springer-Verlag: New York, 1990. pp 12-14
J	Lehninger, AL. Principles of Biochemistry. 2nd ed. Worth: New York, 1983.

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M	Van Holde, KE. Johnson, WC. Ho, PS. Principles of Biochemistry. Prentice Hall: Upper Saddle River, New Jersey, 1998. pp 16-17
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O	Horowitz, B., Chang, MY. "Preparation of Fibronectin for Therapeutic Administration in Mosher, DF. Fibronectin. Academic Press: San Diego, 1989. pp 441-455
P	Sibbald, RG. Ostomy/Wound Management 44(9). 1998. pp 52-58, 60-66.

Examiner:	Date Considered:
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Notice of References Cited

Application No. 08/767,868	Applicant(s) Beaulicu et al.
Examiner Frederick Krass	Group Art Unit 1501
Page 1 of 1	

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	4,341,764	7-1982	Wallace et al.	424	101
B					
C					
D					
E					
F					
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H					
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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(Use several sheets if necessary)

Group Art Unit	1501
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[illegible]

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
A	0 443 224 A1	08-28-91	Europe				
B	0 179 477 A3	04-30-86	Europe				

[illegible]

DATE CONSIDERED

SHEET 1 OF 1



Form PTO-1449
(Modified)

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andre Beaulieu MD FRCP(C)

Serial No.: 08/488,253

Group:

Filed: June 7, 1995

Title: WOUND HEALING FORMULATION CONTAINING
HUMAN PLASMA FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE
	A	4,455,300	06/19/84	WALLACE ET AL.	424	101	05/25/82
	B	4,740,498	04/26/88	HIRAO ET AL.	514	8	10/23/85
	C	4,925,924	05/15/90	SILVER ET AL.	530	356	10/26/87
	D	4,973,466	11/27/90	REICH	424	426	06/21/88
	E	5,045,631	09/03/91	KIMIZUKA ET AL.	530	350	02/13/89
	F	5,053,388	10/01/91	GIBSON ET AL.	514	2	06/25/90
	G	5,102,988	04/07/92	KIMIZUKA ET AL.	530	350	06/08/89
	H	5,124,155	06/23/92	REICH	424	428	09/17/90

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANSLATIO N	
							YES	NO
	I	WO 90/08833	08/09/90	PCT				
	J	WO 92/12739	08/06/92	PCT				
	K	WO 92/13003	08/06/92	PCT				
	L	WO 91/15233	10/17/91	PCT				
	M	WO 90/06767	06/28/90	PCT				
	N	WO 90/13653	11/15/90	PCT				
	O	EP 0 312 208A1	04/19/89					
	P	EP 0 407 008A2	04/29/89					

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	R	Hynes, R.O., Methods for identification of fibronectin (chap. 2, pages 7-23) and Wound healing, inflammation, and fibrosis (chap. 14, pages 349-64, <u>IN:</u> Fibronectins New York: Springer-Verlag, 1990
	S	Brotchie, H., Wakefield, D. Fibronectin: Structure, function and significance in wound healing. Australas J. Dermatol 1990; 31:47-56

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Form PTO-1449
(Modified)



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andre Beaulieu MD FRCP (C)

Group:

Serial No.: 08/488,253

Filed: June 7, 1995

Title: WOUND HEALING FORMULATION CONTAINING
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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

T	Wishida, T. et al., Rapid Preparation of Purified Autologous Fibronectin Eyedrops, Jpn. J. Ophthalmol (1982) 26:416-24.
U	Phan, T. M. et al., Topical Fibronectin in the Treatment of Persistent Corneal Epithelial Defects and Trophic Ulcers, Am. J. Ophthalmol (1987) 104:494-501.
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II	Denaturing (SDS) Discontinuous Gel Electrophoresis: Laemmli Gel Method, pages 10.2.4 - 10.2.9, Current Protocols in Molecular Biology (1994)
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
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TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-92)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 08/488,253		GROUP/ART UNIT 1501		ATTACHMENT TO PAPER NUMBER 3						
NOTICE OF REFERENCES CITED				APPLICANT(S) Beaulieu										
U.S. PATENT DOCUMENTS														
*		DOCUMENT NO.						DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
	A	5	4	2	7	7	7	8	6-95	Finkensur et al	424	78.08		
	B	4	9	2	9	4	4	2	5-90	Powell	424	85.2		
	C	4	8	3	7	0	1	9	6-89	Georgakis et al	424	101		
	D													
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	J													
	K													
FOREIGN PATENT DOCUMENTS														
*		DOCUMENT NO.						DATE	COUNTRY	NAME	CLASS	SUB- CLASS	PERTINENT SHTS. DWG	PP. SPEC.
	L													
	M													
	N													
	O													
	P													
	Q													
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)														
	R													

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Complete if Known

(use as many sheets as necessary)

Sheet	1	of	10
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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	100	4,001,442		Stahlberger et al.	01-04-77	
	101	4,243,656		Walliczek	01-06-81	
	102	4,347,841		Benyo et al.	09-07-82	
	103	4,361,552		Baur, Jr.	11-30-82	
	104	4,458,678		Yannas et al.	07-10-84	
	105	4,570,629		Widra	02-18-86	
	106	4,587,284		Luissi et al.	05-06-86	
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	108	4,664,105		Dautzenberg et al.	05-12-87	
	109	4,703,108		Silver et al.	10-27-87	
	110	4,837,285		Berg et al.	06-06-89	
	111	4,919,939		Baker	04-24-90	
	112	4,937,230		Pickart	06-26-90	
	113	4,937,323		Silver et al.	06-26-90	
	114	4,939,135		Robertson et al.	07-03-90	
	115	4,947,840		Yannas et al.	08-14-90	
	116	4,960,413		Sagar et al.	10-02-90	
	117	4,981,841		Gibson	01-01-91	
	118	4,983,580		Gibson	01-08-91	
	119	5,019,096		Fox, Jr. et al.	05-28-91	

[illegible]

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	10
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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	120	5,045,601		Capelli et al.	09-03-91	
	121	5,053,388		Gibson et al.	10-01-91	
	122	5,064,653		Sessions et al.	11-12-91	
	123	5,076,265		Wokalek	12-31-91	
	124	5,124,392		Robertson et al.	06-23-92	
	125	5,128,321		Murray et al.	07-07-92	
	126	5,143,071		Keusch et al.	09-01-92	
	127	5,196,185		Silver et al.	03-23-93	
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	132	5,271,939		Robertson et al.	12-21-93	
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	134	5,304,378		Koga et al.	04-19-94	
	135	5,348,939		Horowitz et al.	09-20-94	
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	138	5,368,858		Hunziker	11-29-94	
	139	5,393,602		Urry	02-28-95	

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Date Considered

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Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

Sheet	3	of	10
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Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	140	5,395,398		Rogozinski	03-07-95	
	141	5,401,509		Robertson et al.	03-28-95	
	142	5,401,510		Robertson et al.	03-28-95	
	143	5,428,010		Murray et al.	06-27-95	
	144	5,453,492		Butzow et al.	09-26-95	
	145	5,462,536		Braatz et al.	10-31-95	
	146	5,466,462		Rosenthal et al.	11-14-95	
	147	5,480,877		Mosher, Jr. et al.	01-02-96	
	148	5,498,600		Murray et al.	03-12-96	
	149	5,514,647		Horowitz et al.	05-07-96	
	150	5,516,896		Murray et al.	05-14-96	
	151	5,520,672		Urry	05-28-96	
	152	5,525,349		Robertson et al.	06-11-96	
	153	5,534,026		Manders et al.	07-09-96	
	154	5,567,612		Vacanti et al.	10-22-96	
	155	5,573,775		Robertson et al.	11-12-96	
	156	5,580,570		Robertson et al.	12-03-96	
	157	5,582,835		Robertson et al.	12-10-96	
	158	5,589,184		Robertson et al.	12-31-96	
	159	5,589,185		Robertson et al.	12-31-96	

[illegible]Date
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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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Sheet	4	of	10
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
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Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	160	5,599,558		Gordinier et al.	02-04-97	
	161	5,599,788		Purchio et al.	02-04-97	
	162	5,604,200		Taylor-McCord	02-18-97	
	163	5,604,204		Ammann et al.	02-18-97	
	164	5,605,938		Roufa et al.	02-25-97	
	165	5,607,694		Marx	03-04-97	
	166	5,610,148		Brown	03-11-97	
	167	5,613,982		Goldstein	03-25-97	
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	169	5,629,287		Brown et al.	05-13-97	
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	172	5,631,019		Marx	05-20-97	
	173	5,651,982		Marx	07-29-97	
	174	5,654,267		Vuori et al.	08-05-97	
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	176	5,654,273		Gallo et al.	08-05-97	
	177	5,665,373		Robertson et al.	09-09-97	
	178	5,672,336		Sharma	09-30-97	
	179	5,676,967		Williams et al.	10-14-97	

[illegible]

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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Sheet	5	of	10
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		Number	Kind Code ² (if known)			
	180	5,681,568		Goldin et al.	10-28-97	
	181	5,686,425		Lee	11-11-97	
	182	5,691,423		Smith et al.	11-25-97	
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	197	5,744,442		Richards et al.	04-28-98	
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	199	5,763,399		Lee	06-09-98	

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09/331.344

10/01/01 based on 08/21/99

A. Beaulieu

1614

F. Krass

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	201	5,766,631		Arnold	06-16-98	
	202	5,767,079		Glaser et al.	06-16-98	
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	206	5,798,116		Brown	08-25-98	
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	209	5,827,735		Young et al.	10-27-98	
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	211	5,830,504		Vuori et al.	11-03-98	
	212	5,833,665		Bootman et al.	11-10-98	
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	219	5,846,604		Caldwell	12-08-98	

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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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		Number	Kind Code ² (if known)			
	220	5,851,833		Atala	12-22-98	
	221	5,851,993		Jalkanen et al.	12-22-98	
	222	5,854,205		O'Reilly et al.	12-29-98	
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	239	5,942,496		Bonadio et al.	08-24-99	

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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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	240	5,945,403		Folkman et al.	08-31-99	
	241	5,948,432		Timmons et al.	09-07-99	
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	244	5,958,874		Clark et al.	09-28-99	
	245	5,962,325		Naughton et al.	10-05-99	
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	254	6,017,727		Jalkanen et al.	01-25-00	
	255	6,020,326		Roufa et al.	02-01-00	
	256	6,024,688		Folkman et al.	02-15-00	
	257	6,037,139		Greenspan et al.	03-14-00	
	258	6,040,493		Cooke et al.	03-21-00	
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Sheet 9 of 10

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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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	260	6,054,122		MacPhee et al.	04-25-00	
	261	6,056,970		Greenawalt et al.	05-02-00	
	262	6,071,447		Bootman et al.	06-06-00	
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	268	6,110,208		Soranzo et al.	08-29-00	
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	270	6,113,932		Hoath et al.	09-05-00	
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	274	6,124,273		Drohan et al.	09-26-00	
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	276	6,129,761		Hubbell	10-10-00	
	277	6,159,495		Timmons et al.	12-12-00	
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	280	JP	5178897	A	Takara Shuzo Co Ltd.	07-20-93		
	281	DE	19905128	A1	Schering AG	08-10-00		
	282	EP	0179477	A	Green Cross Corp.	4-30-86		
	283	EP	0278103	A	American Cyanamid Co.	8-17-88		

Examiner Signature		Date Considered	
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First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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Sheet	10	of	10
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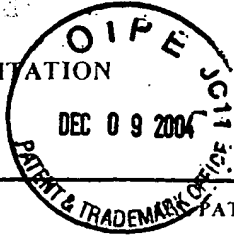
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	290	AU	573626		Johnson & Johnson	06-16-88		
	291	PCT/ US	WO 00/55206	A1	Wijelath et al.	09-21-00	page 25	
	292	JP	3232898	A	Takara Shuzo Co. Ltd.	10-16-91		
	293	CA	2,083,741	A1	W.R. Grace & Co.	07-25-93		
	294	PCT/ GB	WO 98/00180	A1	Johnson & Johnson Medical, Inc.	01-08-98		
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	296	EP	0901795	A2	Johnson & Johnson Medical, Inc.	03-17-99		
	297	JP	11-146909	A		06-02-99		
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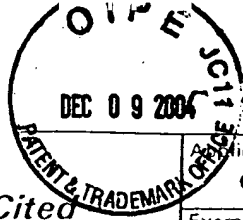
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Application No.
08/879,159

Applicant(s)

Beaulieu

Examiner

Frederick Krass

Group Art Unit

1614

Page 1 of 1

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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,457,093	10-1995	Cini et al.	514	12
B	4,594,884	6-1986	Bondi et al.	73	64.3
C					
D					
E					
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BEAULIEU, ANDRE

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Art Unit

1614

Page 1 of 1

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		Country Code-Number-Kind Code	MM-YYYY			
	A	US-6,048,337	04-2000	Svedman	604	313
	B	US-				
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
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	J	US-				
	K	US-				
	L	US-				
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FOREIGN PATENT DOCUMENTS

*		Document Number	Date	Country	Name	Classification	
		Country Code-Number-Kind Code	MM-YYYY				
	N						
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Chemical Abstract 110,060, "Further contribution to the absorption of the active ingredient of Arthofluor ointment" (1982)
	V	
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10/145.678

May 15, 2002

A. Beaulieu

1614

Ostrup, Clinton T.

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PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,614,794		Easton et al.	09-30-1986	
	2	4,963,489		Naughton et al.	10-16-1990	
	3	4,970,216		Deckner et al.	11-13-1990	
	4	5,144,016		Skjak-Braek et al.	09-01-1992	
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	6	5,441,741		Cheong	08-15-1995	
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	8	5,470,576		Patel	11-28 -1995	
	9	5,482,932		Thompson	01-09-1996	
	10	5,514,647		Horowitz et al.	05-07-1996	
	11	5,596,084		Sanderson et al.	01-21-1997	
	12	5,674,524		Scherr	10-07-1997	
	13	5,695,777		Donovan et al.	12-09-1997	
	14	5,840,777		Eagles et al.	11-24-1998	
	15	5,922,676		Pasqualini et al.	07-13-1999	
	16	5,958,874		Clark et al.	09-28-1999	

FOREIGN PATENT DOCUMENTS

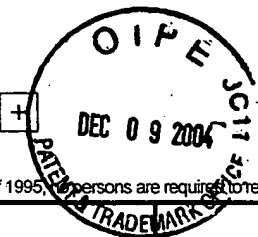
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Application Number	10/145,678
Filing Date	May 15, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	Ostrup, Clinton T.
Attorney Docket Number	Beau 5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	DRAGET, KURT I. et al., "Alginate based new materials," International Journal of Biological Macromolecules, 1997, Vol 21, pp 47-55, Elsevier Science B.V.	
	22	PIACQUADIO, D. et al., "Alginates," J. Dermatol. Surg. Oncol. 1992 18:990-98, Elsevier Science Publishing Co., Inc.	
	23	MOE, S. et al., "Calcium Alginate Gel Fibers: Influence of Alginate Source and Gel Structure on Fiber Strength," Journal of Applied Polymer Science, 51:1771-75 (1994), John Wiley & Sons, Inc.	
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	26	GEHRKE, S.H. et al., "Hydrogels for Drug Delivery Systems," In Specialized Drug Delivery Systems Manufacturing and Production Technology, Chapter 8, (1990) Vol. 41, pp 333-392, Marcel Dekker, New York	
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	30	RADOSEVICH, M., "Research and Development Commitments in an Integrated Plasma Collection and Plasma Fractionation Environment," Seminars in Thrombosis and Hemostasis. (1998) 24 (2) 157-161	
	31	HOROWITZ, B. et al., "Solvent/Detergent-Treated Plasma; A Virus-Inactivated Substitute for Fresh Frozen Plasma," Blood (1992) 79 (3):826-31	

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First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	Ostrup, Clinton T.
Attorney Docket Number	Beau 5

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